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FIBER ORGANON

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Highlights

- 1991 Per Capita Consumption Review... begins on page 79.
- May 1992 Capacity Survey Analysis... begins on page 84.
- Canadian Mill Consumption... begins on page 87.

SHIPMENTS:

In April, total manufactured fiber shipments reached 806 million pounds, 4% above the 778 million pounds shipped in March and 8% above the 750 milllion pounds shipped in April 1991.

April shipments of synthetic (noncellulosic) filament yarn rose 4% to 391 million pounds and staple+tow rose 3% to 373 million pounds.

Contributing to the increase in shipments over the previous month were polyester industrial yarn up 11% or 3 million pounds, nylon staple+tow up 9% or 7 million pounds, nylon carpet yarn up 8% or 7 million pounds and polyester textile yarn up 4 million pounds or 5%.

Year-to-date domestic shipments of manufactured fiber are up 14% and exports are down 12%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1992 APR	1992 MAR	% CHG 4/92 - 3/92	1991 APR	% CHG 4/92 - 4/91	YEAR TO DATE 1992	YEAR TO DATE 1991	% CHG YTD 1992 - 1991
ARTIFICIAL (CELLULOSIC)								
YARN	21.7	17.4	*+24.7*	20.3	*+6.9*	73.8	67.7	*+9.0*
RAYON STAPLE	19.8	22.7	*-12.8*	21.4	*-7.5*	86.5	80.1	*+8.0*
TOTAL ARTIFICIAL (CELL.)	**41.5**	**40.1**	*+3.5*	**41.7**	*-0.5*	**160.3**	**147.8**	*+8.5*
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	27.7	28.8	*-3.8*	27.9	*-0.7*	104.9	111.7	*-6.1*
- CARPET	92.7	86.2	*+7.5*	80.3	*+15.4*	339.2	268.0	*+26.6*
- TEXTILE [a]	30.5	31.8	*-4.1*	32.9	*-7.3*	125.4	125.9	*-0.4*
POLYESTER - INDUSTRIAL	34.7	31.4	*+10.5*	29.1	*+19.2*	125.1	107.6	*+16.3*
- TEXTILE [a]	81.1	77.1	*+5.2*	75.9	*+6.9*	297.2	269.7	*+10.2*
OLEFIN	124.3	121.4	*+2.4*	119.2	*+4.3*	470.7	436.4	*+7.9*
TOTAL YARN	**391.0**	**376.7**	*+3.8*	**365.3**	*+7.0*	**1462.5**	**1319.3**	*+10.9*
STAPLE+TOW+FIBERFILL								
NYLON	86.3	79.3	*+8.8*	78.1	*+10.5*	299.9	263.7	*+13.7*
ACRYLIC+MODACRYLIC	39.5	39.5	--	34.2	*+15.5*	147.6	141.0	*+4.7*
POLYESTER	209.0	203.1	*+2.9*	191.7	*+9.0*	794.0	686.0	*+15.7*
OLEFIN	38.3	39.4	*-2.8*	38.5	*-0.5*	152.1	138.7	*+9.7*
TOTAL STAPLE	**373.1**	**361.3**	*+3.3*	**342.5**	*+8.9*	**1393.6**	**1229.4**	*+13.4*
TOTAL SYNTHETIC (NONCELL.)	**764.1**	**738.0**	*+3.5*	**707.8**	*+8.0*	**2856.1**	**2548.7**	*+12.1*
TOTAL MANUFACTURED FIBER	**805.6**	**778.1**	*+3.5*	**749.5**	*+7.5*	**3016.4**	**2696.5**	*+11.9*
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	768.1	736.0	*+4.4*	707.0	*+8.6*	2861.3	2519.6	*+13.6*
EXPORTS [c]	37.5	42.1	*-10.9*	42.5	*-11.8*	155.1	176.9	*-12.3*

-- No change.
a. Includes low denier industrial yarn.
b. Includes olefin exports.
c. Excludes olefin exports.

May 1992

Fiber Organon

A Monthly Review

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1991 PER CAPITA CONSUMPTION REVIEW

Per capita consumption of all fibers rose to 66.7 pounds in 1991,1.5% above the 65.7 pounds recorded in 1990.

In 1991, per capita GDP fell 1.8% from 1990, while per capita manufactured fiber consumption fell 0.5%. Cotton per capita consumption increased 5.2%, wool rose 9.1%, and other fibers (silk, linen, jute and sisal & other) fell 4.5%.

Since 1981, the U.S. population has grown 9.8%. At the same time, the per capita GDP has increased 14.9% (in constant 1987 dollars), while per capita consumption of all fibers rose 26.8%, manufactured fiber per capita consumption increased16.4%, wool rose 20.0%, and other fibers (silk, linen, jute and sisal & others) fell 40.0% (see Table 6).

TABLE & GRAPH SUMMARY

The tables and graphs contained in this review are described as follows:

Table 2: Per capita GDP derived by dividing the annual Gross Domestic Product data by the population July 1st.

Table 3: Total U.S. domestic fiber consumption from the April ***Fiber Organon,*** page 69.

Table 4: Domestic consumption data in Table 3 divided by July 1st population data.

Table 5: Summary of total mill consumption of all fibers, except glass fiber.

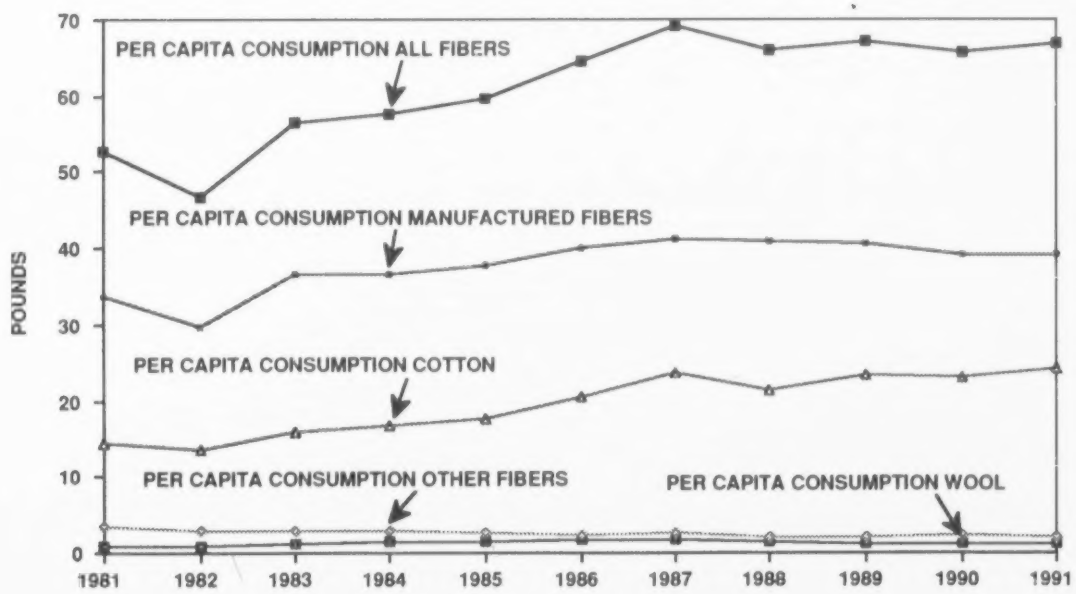
Table 6: Percentage change and relative growth over time of population, per capita GDP and per capita consumption of the various fibers.

Table 7: Listing of imports in per capita terms and their percentage growth over time for comparison with overall per capita domestic consumption.

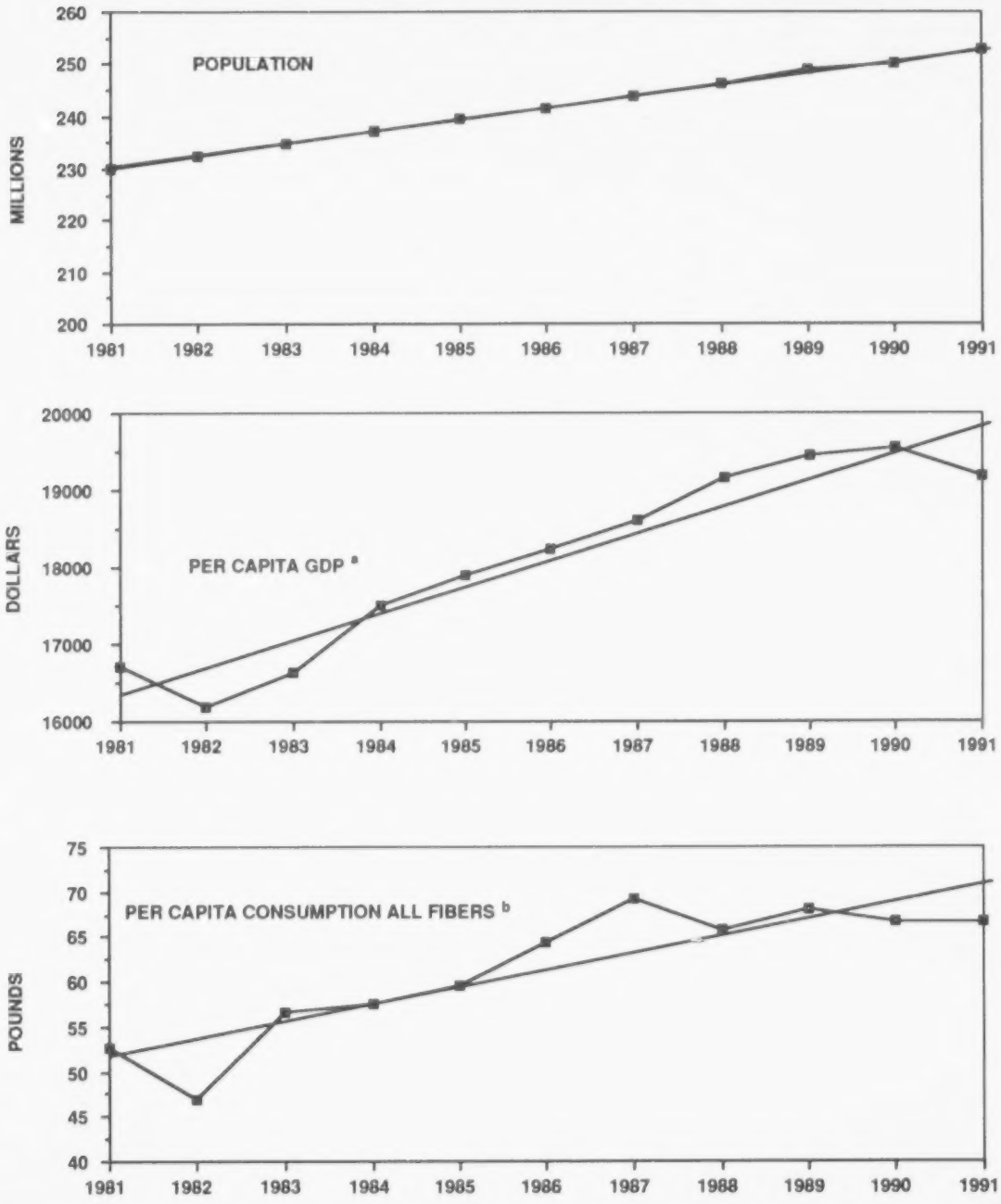
Graph 1: Per capita consumption of all fibers, based on the data in Tabie 4.

Graph 2: Growth in the population and trends in per capita GDP and per capita consumption of all fibers, as shown in Tables 2 and 4.

GRAPH 1:
PER CAPITA CONSUMPTION



GRAPH 2:
COMPARISON OF POPULATION, GDP & PER CAPITA CONSUMPTION OF ALL FIBERS



a. In 1987 dollars.
b. Data on Glass Fiber are no longer available to prevent company level disclosure. The series including Glass Fiber was last published in the May 1985 issue.

TABLE 2:
U.S. POPULATION, GROSS DOMESTIC PRODUCT & PER CAPITA GROSS DOMESTIC PRODUCT

YEAR	POPULATION [a]	GDP [b]	PER CAPITA GDP [c]
1981	230.1	3843.1	16702
1982	232.5	3760.3	16173
1983	234.8	3906.6	16638
1984	237.0	4148.5	17504
1985	239.3	4279.8	17885
1986	241.6	4404.5	18231
1987	243.9	4540.0	18614
1988	246.3	4718.6	19158
1989	248.8	4836.9	19441
1990	250.0	4884.9	19540
1991	252.7	4849.9	19192

SOURCE: ***Current Population Reports***, U.S. Dept. of Commerce, Bureau of the Census.
Survey of Current Business, Volume 72, No. 2, February 1992, U.S. Dept. of Commerce, Bureau of Economic Analysis.

a. In millions. Population data for all years have been changed to that of July 1.
b. In billions of 1987 dollars.
c. In dollars.

TABLE 3:
U.S. TOTAL FIBER CONSUMPTION
MILLION POUNDS

YEAR	MFRD. FIBER [a]	COTTON	WOOL	OTHER FIBERS	TOTAL
1981	7722.9	3325.4	234.0	794.7	12077.0
1982	6912.9	3122.7	218.8	648.4	10902.8
1983	8603.2	3711.6	284.5	690.3	13289.7
1984	8644.2	3929.7	343.7	680.1	13597.7
1985	9027.4	4212.0	369.0	646.9	14255.3
1986	9637.6	4937.4	410.8	582.4	15568.2
1987	10075.2	5774.2	404.6	603.5	16857.5
1988	10068.5	5258.7	358.8	511.0	16197.0
1989	10089.6	5819.0	284.6	477.4	16670.6
1990	9837.0	5778.6	274.8	551.5	16441.9
1991	9888.6	6138.5	299.5	541.1	16867.7

a. Excludes Glass Fiber. Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

TABLE 4:
U.S. PER CAPITA FIBER CONSUMPTION [a]
POUNDS

		PER CAPITA				
PERIOD	POPU-LATION	MFRD. FIBER [b]	COTTON	WOOL	OTHER FIBERS	TOTAL
1981	230.1	33.6	14.5	1.0	3.5	52.6
1982	232.5	29.7	13.4	0.9	2.8	46.8
1983	234.8	36.6	15.8	1.2	2.9	56.5
1984	237.0	36.5	16.6	1.5	2.9	57.5
1985	239.3	37.7	17.6	1.5	2.7	59.5
1986	241.6	39.9	20.4	1.7	2.4	64.4
1987	243.9	41.3	23.7	1.7	2.5	69.2
1988	246.3	40.9	21.4	1.5	2.1	65.9
1989	248.8	40.6	23.4	1.1	1.9	67.0
1990	250.0	39.3	23.1	1.1	2.2	65.7
1991	252.7	39.1	24.3	1.2	2.1	66.7

a. Based on total U.S. domestic consumption (mill consumption plus imports less exports of semimanufactured and manufactured products).
b. Excludes Glass Fiber. Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

TABLE 5:
MILL CONSUMPTION BY FIBER
BILLION POUNDS

YEAR	RAYON	ACETATE [a]	NYLON [b]	POLYESTER	ACRYLIC [c]	OLEFIN	COTTON	WOOL	OTHER FIBERS	TOTAL
1981	0.5	0.2	2.2	3.5	0.5	0.8	2.7	0.2	0.1	10.7
1982	0.3	0.2	1.9	3.0	0.5	0.8	2.5	0.1	0.1	9.4
1983	0.4	0.2	2.4	3.4	0.5	1.0	2.8	0.2	0.1	11.0
1984	0.4	0.2	2.4	3.2	0.5	1.0	2.7	0.2	0.1	10.7
1985	0.5 [d]		2.6	3.1	0.5	1.4	2.8	0.1	0.1	11.1
1986	0.6 [d]		2.5	3.2	0.6	1.5	3.3	0.2	0.1	12.0
1987	0.6 [d]		2.7	3.5	0.5	1.6	3.7	0.2	0.1	12.9
1988	0.6 [d]		2.7	3.6	0.5	1.5	3.5	0.2	0.1	12.7
1989	0.6 [d]		2.6	3.6	0.5	1.7	4.0	0.1	0.1	13.2
1990	0.6 [d]		2.6	3.2	0.4	2.1	4.0	0.1	0.1	13.1
1991	0.6 [d]		2.5	3.5	0.4	1.9	4.3	0.2	0.1	13.5

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

a. Includes triacetate. Cigarette tow is excluded.

b. Includes Aramid for all years except 1983-1991.

c. Includes modacrylic.

d. Rayon and acetate combined.

TABLE 6:
PERCENT ANALYSIS OF POPULATION, PER CAPITA GDP AND PER CAPITA CONSUMPTION OF MANUFACTURED FIBER, COTTON, WOOL & OTHER FIBERS

							PER CAPITA CONSUMPTION													
YEAR	POPULATION	% [a]	% [b]	PER CAPITA GDP	% [a]	% [b]	MANUFAC. FIBER [c]	% [a]	% [b]	COTTON	% [a]	% [b]	WOOL	% [a]	% [b]	OTHER FIBERS	% [a]	% [b]	ALL FIBERS	% [a]	% [b]
1981	230.1			16702			33.6			14.5			1.0			3.5			52.6		
1982	232.5	*+1.0*	*+1.0*	16173	*-3.2*	*-3.2*	29.7	*-11.6*	*-11.6*	13.4	*-7.6*	*-7.6*	0.9	*-10.0*	*-10.0*	2.8	*-20.0*	*-20.0*	46.8	*-11.0*	*-11.0*
1983	234.8	*+1.0*	*+2.0*	16638	*+2.9*	*-0.4*	36.6	*+23.2*	*+8.9*	15.8	*+17.9*	*+9.0*	1.2	*+33.3*	*+20.0*	2.9	*+3.6*	*-17.1*	56.5	*+20.7*	*+7.4*
1984	237.0	*+0.9*	*+3.0*	17504	*+5.2*	*+4.8*	36.5	*-0.3*	*+8.6*	16.6	*+5.1*	*+14.5*	1.5	*+25.0*	*+50.0*	2.9	*- -*	*-17.1*	57.5	*+1.8*	*+9.3*
1985	239.3	*+1.0*	*+4.0*	17885	*+2.2*	*+7.1*	37.7	*+3.3*	*+12.2*	17.6	*+6.0*	*+21.4*	1.5	*- -*	*+50.0*	2.7	*-6.9*	*-22.9*	59.5	*+3.5*	*+13.1*
1986	241.6	*+1.0*	*+5.0*	18231	*+1.9*	*+9.2*	39.9	*+5.8*	*+18.7*	20.4	*+15.9*	*+40.7*	1.7	*+13.3*	*+70.0*	2.4	*-11.1*	*-31.4*	64.4	*+8.2*	*+22.4*
1987	243.9	*+1.0*	*+6.0*	18614	*+2.1*	*+11.4*	41.3	*+3.5*	*+22.9*	23.7	*+16.2*	*+63.4*	1.7	*- -*	*+70.0*	2.5	*+4.2*	*-28.6*	69.2	*+7.5*	*+31.6*
1988	246.3	*+1.0*	*+7.0*	19158	*+2.9*	*+14.7*	40.9	*-1.0*	*+21.7*	21.4	*-9.7*	*+47.6*	1.5	*-11.8*	*+50.0*	2.1	*-16.0*	*-40.0*	65.9	*-4.8*	*+25.3*
1989	248.8	*+1.0*	*+8.1*	19441	*+1.5*	*+16.4*	40.6	*-0.7*	*+20.8*	23.4	*+9.3*	*+61.4*	1.1	*-26.7*	*+10.0*	1.9	*-9.5*	*-45.7*	67.0	*+1.7*	*+27.4*
1990	250.0	*+0.5*	*+8.6*	19540	*+0.5*	*+17.0*	39.3	*-3.2*	*+17.0*	23.1	*-1.3*	*+59.3*	1.1	*- -*	*+10.0*	2.2	*+15.8*	*-37.1*	65.7	*-1.9*	*+24.9*
1991	252.7	*+1.1*	*+9.8*	19192	*-1.8*	*+14.9*	39.1	*-0.5*	*+16.4*	24.3	*+5.2*	*+67.6*	1.2	*+9.1*	*+20.0*	2.1	*-4.5*	*-40.0*	66.7	*+1.5*	*+26.8*

Population is in millions of people.
Per Capita GDP is in 1987 dollars.
All other Per Capita Consumption data are in pounds.

All data are taken from the tables on page 85.

a. Percent change year to year.

b. Percent change since 1981.

c. Excludes Glass Fiber. Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

TABLE 7:
PER CAPITA CONSUMPTION OF IMPORTS OF MANUFACTURED FIBER, COTTON & WOOL MANUFACTURES COMPARED WITH PER CAPITA TOTAL CONSUMPTION OF MANUFACTURED FIBER, COTTON & WOOL

POUNDS & *PERCENT*

	IMPORTS															DOMESTIC FIBER CONSUMPTION					
	MANUFACTURED FIBER					COTTON					WOOL										
YEAR	TOTAL	% [a]	APPAREL	% [a]	% [b]	TOTAL	% [a]	APPAREL	% [a]	% [b]	TOTAL	% [a]	APPAREL	% [a]	% [b]	MANU-FACTURED FIBER [c]	% [a]	COTTON	% [a]	WOOL	% [a]
1981	2.8		1.9		67.9	4.2		2.2		52.4	0.4		0.2		50.0	33.6		14.5		1.0	
1982	3.0	+7.1	2.1	+10.5	70.0	3.9	-7.1	2.2	--	56.4	0.4	--	0.2	--	50.0	29.7	-11.6	13.4	-7.6	0.9	-10.0
1983	4.6	+53.3	2.5	+19.0	54.3	4.8	+23.1	2.7	+22.7	56.3	0.6	+50.0	0.3	+50.0	50.0	36.6	+23.2	15.8	+17.9	1.2	+33.3
1984	5.7	+23.9	2.9	+16.0	50.9	6.2	+29.2	3.2	+18.5	51.6	0.8	+33.3	0.3	--	37.5	36.5	-0.3	16.6	+5.1	1.5	+25.0
1985	6.2	+8.8	3.3	+13.8	53.2	6.8	+9.7	3.7	+15.6	54.4	1.0	+25.0	0.6	+100.0	60.0	37.7	+3.3	17.6	+6.0	1.5	--
1986	7.0	+12.9	3.8	+15.2	54.3	7.9	+16.2	4.2	+13.5	53.2	1.1	+10.0	0.6	--	54.5	39.9	+5.8	20.4	+15.9	1.7	+13.3
1987	7.4	+5.7	4.2	+10.5	56.8	9.6	+21.5	5.2	+23.8	54.2	1.1	--	0.7	+16.7	63.6	41.3	+3.5	23.7	+16.2	1.7	--
1988	7.0	-5.4	4.0	-4.8	57.1	8.6	-10.4	5.1	-1.9	59.3	0.9	-18.2	0.6	-14.3	66.7	40.9	-1.0	21.4	-9.7	1.5	-11.8
1989	*7.3	+4.3	*4.8	+20.0	65.8	*9.4	+9.3	*5.8	+13.7	61.7	*0.8	-11.1	*0.5	-16.7	62.5	40.6	-0.7	23.4	+9.3	1.1	-26.7
1990	*7.3	--	*4.7	-2.1	64.4	*9.6	+2.1	*6.0	+3.4	62.5	*0.8	--	*0.5	--	62.5	39.3	-3.2	23.1	-1.3	1.1	--
1991	*7.5	+2.7	*4.5	-4.3	60.0	*9.9	+3.1	*6.0	--	60.6	*0.8	--	*0.5	--	62.5	39.1	-0.5	24.3	+5.2	1.2	9.1

*** PRELIMINARY ESTIMATES DERIVED FROM *INCOMPLETE* DATA FROM THE DEPARTMENT OF AGRICULTURE.**

-- No change.

a. Percent change from previous year.

b. Apparel as percent of total imports of semimanufactured and manufactured products.

c. Excludes Glass Fiber. Data on Glass Fiber is no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

MAY 1992 CAPACITY SURVEY ANALYSIS

U.S. Manufactured Fiber Capacity Utilization at 80%

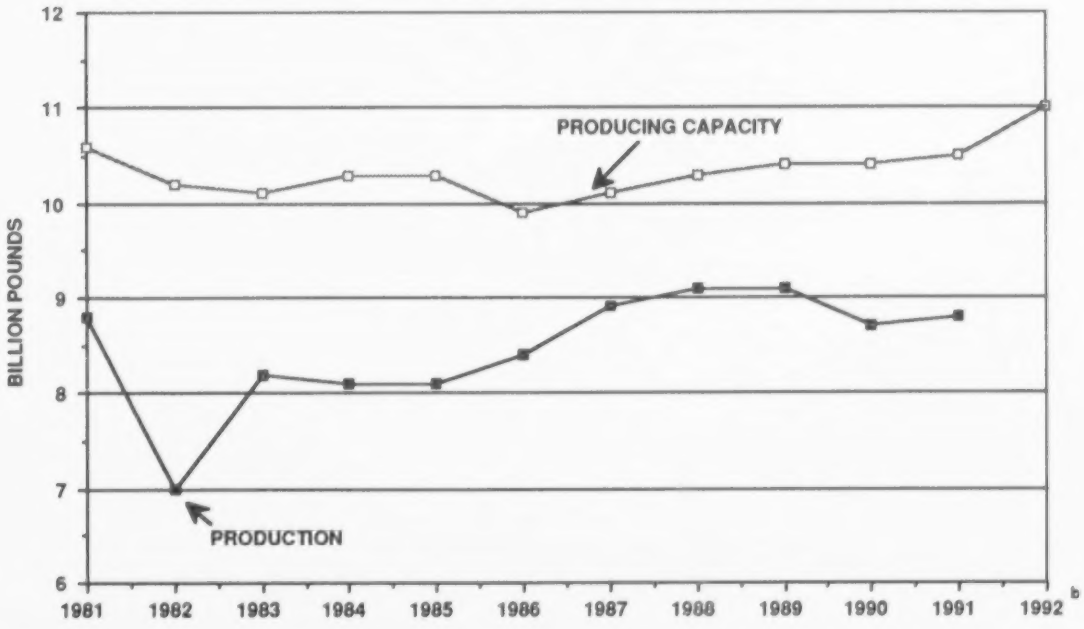
Based on yearly January - April production data and May 1992 Capacity Survey results, the capacity utilization rate for the U.S. manufactured fiber industry fell to 80% as compared to 83% in 1991 (Graph 3).

Total industry capacity (excluding glass fiber) rose to 11,043 million pounds, 5% above the 10,507 million pounds recorded in the November 1991 Survey.

Since November 1991, the synthetic (noncellulosic) filament yarn capacity rose from 5,176 million pounds to 5,449 million pounds, with a 21% gain in polyester textile yarn.

In 1992, capacity for synthetic (noncellulosic) staple+tow increased 5% to 5,049 million pounds from the 4,786 million pounds in November 1991 (Table 9). A major increase was shown in polyester staple+tow where the capacity rose from 2,603 million pounds in November 1991 to 2,883 million pounds in May 1992.

GRAPH 3:
MANUFACTURED FIBER INDUSTRY PRODUCTION & PRODUCING CAPACITY [a]



a. Artifical (Cellulosic) and Synthetic (Noncellulosic) fiber excluding glass fiber.
b. Based on May 1992 capacity survey.

TABLE 8:
U.S. MANUFACTURED FIBER PRODUCTION & PRODUCING CAPACITY
MILLION POUNDS

PERIOD	ARTIFICIAL (CELLULOSIC) FIBERS							SYNTHETIC (NONCELLULOSIC) FIBERS [a]			GRAND TOTAL MANUFACTURED FIBERS EXCLUDING GLASS FIBER			NON-ADD GLASS FIBER [d]
	FILAMENT YARN+MONOFIL			STAPLE+TOW										
	RAYON	ACETATE [b]	TOTAL	RAYON	ACETATE [b]	TOTAL	TOTAL	YARN +MONO	STAPLE +TOW	TOTAL	YARN +MONO [c]	STAPLE +TOW	TOTAL	
ACTUAL ANNUAL PRODUCTION														
1979	57	317	374	549	7	556	930	4155	4282	8437	4529	4838	9367	1014
1980	47	309	356	443	7	450	806	3744	4148	7892	4100	4598	8698	867
1981	48	257	305	461	4	465	770	3815	4191	8006	4120	4656	8776	1041
1982	33	195	228	355	1	356	584	3057	3403	6460	3285	3759	7044	899
1983	36	228	264	375	1	376	640	3568	3970	7538	3832	4346	8178	1169
1984	41	198	239	389	+	389	628	3525	3947	7472	3764	4336	8100	1394
1985			205 g			353 g	558	3790	3773	7563	3995	4126	8121	NA
1986			215 g			404 g	619	3836	3992	7828	4051	4396	8447	NA
1987			191 g			414 g	605	4010	4306	8316	4201	4720	8921	NA
1988			214 g			400 g	614	4180	4346	8526	4394	4746	9140	NA
1989			218 g			363 g	581	4225	4290	8515	4443	4653	9096	NA
1990			206 g			299 g	505	4194	3991	8185	4400	4290	8690	NA
1991			213 g			273 g	486	4282	3984	8266	4495	4257	8752	NA
ACTUAL & PROJECTED CAPACITY, ANNUAL RATE, AS OF -														
NOV 1979 e	75	355	430	671	8	679	1109	5106	4678	9784	5536	5357	10893	1305
NOV 1980 e	63	324	387	514	8	522	909	4913	4714	9627	5300	5236	10536	1473
NOV 1981 e	52	332	384	509	5	514	898	4746	4950	9696	5130	5464	10594	1561
NOV 1982 e	63	318	381	510	4	514	895	4553	4781	9334	4934	5295	10229	1718
NOV 1983 e	63	268	331	510	4	514	845	4447	4827	9274	4778	5341	10119	1618
NOV 1984 e	63	268	331	510	4	514	845	4479	4981	9460	4810	5495	10305	1743
NOV 1985 e			269 g	510	5	515	784	4668	4890	9558	4937	5405	10342	1769
NOV 1986 e			244 g			465 g	709	4545	4662	9207	4789	5127	9916	1763
NOV 1987 e			244 g			465 g	709	4557	4793	9350	4801	5258	10059	1642
NOV 1988 e			244 g			469 g	713	4743	4849	9592	4987	5318	10305	1729
NOV 1989 e			232 g			492 g	724	4918	4755	9673	5150	5247	10397	1822
NOV 1990 e			219 g			322 g	541	5126	4688	9814	5345	5010	10355	1824
NOV 1991 e			220 g			325 g	545	5176	4786	9962	5396	5111	10507	1818
MAY 1992 e			220 g			325 g	545	5449	5049	10498	5669	5374	11043	1923
NOV 1992 f			220 g			325 g	545	5497	5052	10549	5717	5377	11094	1925
MAY 1993 f			220 g			325 g	545	5551	5057	10608	5771	5382	11153	2026
NOV 1993 f			220 g			325 g	545	5654	5061	10715	5874	5386	11260	2026
MAY 1994 f			220 g			325 g	545	5809	5068	10877	5029	5393	11422	2142

NA No longer available.

a. Included are those listed in the November ***Fiber Organon*** issue, with the exception of Aramid fiber as of November 1983. Yarn+mono includes olefin film fiber and spunbonded polypropylene. Staple+tow includes fiberfill.

b. Data include diacetate and triacetate. The acetate staple+tow data do not include the large quantities for cigarette filtration.

c. Grand Total Yarn means the yarn+mono shown, excluding glass fiber.

d. Glass fiber, all types.

e. Actual producing capacity as of the date shown.

f. Future producing capacity planned for certain dates as of NOV 1992.

g. Detail withheld due to disclosure of company data.

TABLE 9:
SYNTHETIC (NONCELLULOSIC) FIBER CAPACITY DETAIL
MILLION POUNDS & *AVERAGE DENIER*

	FILAMENT YARN, MONOFIL & OLEFIN FILM FIBER											STAPLE, TOW & FIBERFILL					SYNTHETIC (NONCELLULOSIC) TOTAL
	NYLON+ARAMID				POLYESTER			OLEFIN a									
			TEXTILE			TEXTILE						NYLON + ARAMID	ACRYL +MOD ACRYL	POLY-ESTER	OLEFIN + VINYON e	TOTAL	
PERIOD	IND	CARP	LBS	DEN	IND	LBS	DEN	YARN	MONO b	FILM b	TOTAL						
NOV 1979 c	513	950	579	*51*	443	1699	*114*	172	342	408	5106	1020	839	2673	146	4678	9784
NOV 1980 c	515	910	551	*52*	400	1637	*113*	120	350	430	4913	991	830	2759	134	4714	9627
NOV 1981 c	514	893	553	*49*	316	1481	*114*	178	356	455	4746	1010	835	2839	266	4950	9696
NOV 1982 c	474	925	513	*53*	338	1265	*119*	209	369	460	4553	978	832	2700	271	4781	9334
NOV 1983 c	440	907	494	*52*	337	1170	*122*	240	375	484	4447	1017	826	2704	280	4827	9274
NOV 1984 c	437	926	470	*57*	342	1162	*121*	270	386	486	4479	1054	807	2784	336	4981	9460
NOV 1985 c	437	965	466	*53*	374	1097	*126*	304	412	613	4668	1067	631	2785	407	4890	9558
NOV 1986 c	435	964	398	*51*	401	1021	*123*	286	407	633	4545	1077	637	2491	457	4662	9207
NOV 1987 c	418	1005	404	*49*	399	929	*121*	342	393	667	4557	1137	652	2522	482	4793	9350
NOV 1988 c	421	1053	423	*49*	408	968	*121*	392	399	679	4743	1137	642	2584	486	4849	9592
NOV 1989 c	420	1168	430	*48*	420	900	*115*	491	405	684	4918	1150	641	2464	500	4755	9673
NOV 1990 c	377	1197	450	*49*	433	908	*115*	579	501	681	5126	1144	446	2578	520	4688	9814
NOV 1991 c	383	1182	437	*48*	438	936	*122*	659	464	677	5176	1141	487	2603	555	4786	9962
MAY 1992 c	376	1202	451	*48*	465	1131	*147*	671	459	694	5449	1116	495	2883	555	5049	10498
NOV 1992 d	376	1212	458	*48*	465	1131	*147*	701	460	694	5497	1116	495	2885	556	5052	10549
MAY 1993 d	376	1212	473	*49*	469	1154	*147*	704	461	702	5551	1116	497	2888	556	5057	10608
NOV 1993 d	376	1292	481	*49*	469	1154	*147*	719	461	702	5654	1116	497	2888	560	5061	10715
MAY 1994 d	376	1302	481	*49*	469	1281	*146*	719	479	702	5809	1116	504	2888	560	5068	10877

NOTE: As of the November 1983 survey, nylon capacity data no longer include Aramid Fiber.
IND Industrial yarn and monofil, i.e., 500 denier & coarser, with an Instron tenacity of 7 grams per denier or more.
CARP Bulked continuous filament yarn for carpets.
TEXTILE Yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

a. Includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles, film fiber used for decorative or tying ribbons, etc.
b. Includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated fiber.
c. Actual producing capacity as of date shown.
d. Future producing capacity planned for certain dates as of NOV 1992.
e. Data since November 1986 do not include Vinyon.

NOTE: THE INCREASE IN CAPACITY FOR POLYESTER YARN AND STAPLE IS DUE TO ADDITIONAL CAPACITY COMING ON STREAM.

SURVEY COVERAGE & DEFINITIONS

The survey figures shown in the table above cover the manufactured fibers in all their primary forms; i.e., filament yarn, monofilaments, polypropylene spunbonded and film fiber are tabulated as filament yarn, while staple, tow and fiberfill are tabulated as staple. The glass fiber data cover all primary forms of that fiber (yarn and strand, staple yarn and sliver, roving and cake, chopped and milled fiber and mat) although only an aggregate figure is published to avoid disclosure of individual company data. **Glass fiber data are no longer included with the filament yarn totals. The data were last published in the December 1984 issue.** The "capacity" to produce waste is **not** included in this survey.

Capacity is based on the current and projected "mix" of deniers, filament counts, packages, etc. It is **emphasized** that all figures refer to ***current*** and ***planned*** capacity. **They are not to be interpreted as a production forecast.**

Under the survey definitions, all productive equipment which is currently, or is planned to be, in operable condition is counted as capacity, regardless of whether it is actually producing fiber at the time the capacity measurement is taken. Equipment which is definitely scheduled for scrapping, or which has been scrapped since the last survey, is excluded from the capacity tabulation. The capacity data reflect ***potential***, rather than ***operating*** capacity.

TABLE 10:
CANADIAN MILL CONSUMPTION OF FIBER [a]

MILLION POUNDS

YEAR	MANUFACTURED FIBER [a]	COTTON	WOOL	TOTAL
1980	464.3	130.1	10.9	605.3
1981	387.9	132.3	15.0	535.2
1982	341.9	88.2	11.7	441.8
1983	424.3	121.3	14.7	560.3
1984	444.1	121.3	14.4	579.8
1985	472.9	105.8	16.1	594.8
1986	548.8	119.0	17.6	685.4
1987	551.2	94.8	15.3	661.3
1988	544.8	91.7	14.0	650.5
1989	488.3	90.2	14.2	592.7
1990	382.5	88.3	9.6	480.4

a. Based on Canadian domestic fiber (mill consumption). See pages 88 - 89.

TABLE 11:
CANADIAN MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF PRODUCTS
MILLION POUNDS & *PERCENT*

	MANUFACTURED FIBER MILL CONSUMPTION=PRODUCERS' SHIPMENTS (DOM) PLUS IMPORTS FOR CONSUMPTION (IMP)															
	ARTIFICIAL (CELLULOSIC) FIBER								SYNTHETIC (NONCELLULOSIC) FIBER							
	YARN+MONOFIL			STAPLE+TOW					YARN+MONOFIL			STAPLE+TOW				
YEAR	DOM	IMP	TOTAL	DOM	IMP	TOTAL	EXP	TOTAL	DOM	IMP	TOTAL	DOM	IMP	TOTAL	EXP	TOTAL
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1980	30.9	17.0	47.9	66.1	9.3	75.4	58.7	64.6	163.1	84.2	247.3	105.8	80.9	186.7	34.3	399.7
1981	29.7	17.2	46.9	62.1	4.0	66.1	54.7	58.3	145.3	59.5	204.8	96.8	92.8	189.6	64.8	329.6
1982	20.9	21.7	42.6	61.7	2.3	64.0	43.9	62.7	114.6	46.1	160.7	99.2	67.5	166.7	48.2	279.2
1983	22.0	24.3	46.3	66.1	4.1	70.2	56.5	60.0	130.6	99.0	229.6	116.9	86.3	203.2	68.5	364.3
1984	22.0	24.3	46.3	61.3	4.1	65.4	53.2	58.5	137.3	99.0	236.3	130.1	86.3	216.4	67.1	385.6
1985	17.6	25.2	42.8	59.3	4.9	64.2	54.1	52.9	165.6	115.1	280.7	119.9	89.9	209.8	70.5	420.0
1986	19.4	28.3	47.7	64.2	5.2	69.4	47.9	69.2	166.0	129.1	295.1	131.0	100.9	231.9	47.4	479.6
1987	18.7	25.4	44.1	62.8	4.5	67.3	60.5	50.9	157.6	143.1	300.7	128.3	101.3	229.6	30.0	500.3
1988	20.5	26.5	47.0	72.3	3.3	75.6	73.4	49.2	166.0	149.4	315.4	129.2	87.1	216.3	36.1	495.6
1989	28.9	34.7	63.6	73.9	3.2	77.1	76.1	64.6	143.7	170.0	313.7	131.4	65.4	196.8	86.8	423.7
1990	24.7	13.2	37.9	62.8	2.3	65.1	64.0	39.0	144.2	114.6	258.8	112.2	71.6	183.8	99.1	343.5

Continued on opposite page.

TABLE 11:
CANADIAN MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF PRODUCTS
(CONTINUED)
MILLION POUNDS & *PERCENT*

	MILL CONSUMPTION OF 4 FIBERS									DOMESTIC CONSUMPTION OF 3 FIBERS (CONS)=MILL CONSUMPTION+IMPORTS (IMP) LESS EXPORTS (EXP) OF SEMIMANUFACTURED & MANUFACTURED PRODUCTS											
	MANUFACTURED FIBER		COTTON		WOOL		SILK	TOTAL		MANUFACTURED FIBER			COTTON			WOOL			TOTAL		
YEAR	LB	%	LB	%	LB	%	LB	LB	%	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS
	(17)		(18)		(19)		(20)	(21)		(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)
1980	464.3	*76.7*	130.1	*21.5*	10.9	*1.8*	- -	605.3	*100.0*	268.3	76.5	656.1	192.7	20.9	301.9	40.3	10.1	41.1	501.3	107.5	999.1
1981	387.9	*72.5*	132.3	*24.7*	15.0	*2.8*	- -	535.2	*100.0*	255.7	74.5	569.1	179.2	19.4	292.1	49.8	8.2	56.6	484.7	102.1	917.8
1982	341.9	*77.4*	88.2	*20.0*	11.7	*2.6*	- -	441.8	*100.0*	228.4	60.8	509.5	193.1	24.3	257.0	46.3	6.6	51.4	467.8	91.7	817.9
1983	424.3	*75.7*	121.3	*21.6*	14.7	*2.6*	- -	560.3	*100.0*	303.4	64.2	663.5	181.7	23.8	279.2	59.5	7.5	66.7	544.6	95.5	1009.4
1984	444.1	*76.6*	121.3	*20.9*	14.4	*2.5*	- -	579.8	*100.0*	342.6	71.9	714.8	198.0	23.4	295.9	72.7	7.5	79.6	613.3	102.8	1090.3
1985	472.9	*79.5*	105.8	*17.8*	16.1	*2.7*	- -	594.8	*100.0*	356.7	62.6	767.0	169.1	23.4	251.5	73.9	9.7	80.3	599.7	95.7	1098.8
1986	548.8	*80.1*	119.0	*17.4*	17.6	*2.6*	- -	685.4	*100.0*	394.2	71.2	871.8	246.7	35.5	330.2	77.5	13.2	81.9	718.4	119.9	1283.9
1987	551.2	*83.4*	94.8	*14.3*	15.3	*2.3*	- -	661.3	*100.0*	414.2	92.8	872.6	304.0	38.8	360.0	75.4	12.6	78.1	793.6	144.2	1310.7
1988	544.8	*83.7*	91.7	*14.1*	14.0	*2.2*	- -	650.5	*100.0*												
1989	488.3	*82.4*	90.2	*15.2*	14.2	*2.4*	- -	592.7	*100.0*												
1990	382.5	*79.6*	88.3	*18.4*	9.6	*2.0*	- -	480.4	*100.0*	DATA NOT AVAILABLE AT PUBLICATION TIME											

SOURCES OF DATA, ARRANGED BY COLUMN NUMBER ( ):

1 - 16: ***Fiber Organon,*** January 1992 and earlier editions.

18: **International Cotton Advisory Committee,** ***Cotton: World Statistics,*** Vol. 45, No. 1, October 1991. Cotton refers to ginned raw cotton. It does not refer to waste or cotton fibers subjected to any other process. Data are for the cotton year ending July 31, 1990.

19: **Commonwealth Secretariat,** ***Wool Statistics,*** 1990 - 1991. Wool refers to virgin wool, clean basis, at the spinning stage.

22, 23, 25, 26, 28 & 29: Food and Agriculture Organization of the United Nations, Some data are preliminary.

CERTAIN TOTALS IN THE TABLES:

(Obvious totals such as columns 1+2=3, 4+5=6, etc. are not described here.)

8: Columns 3 + 6 - 7
16: Columns 11 + 14 - 15
17: Columns 8 + 16
24: Columns 17 + 22 - 23
27: Columns 18 + 25 - 26
30: Columns 19 + 28 - 30

TABLE 12:
CANADIAN MILL CONSUMPTION OF MANUFACTURED FIBER, COTTON, & WOOL
MILLION POUNDS & *PERCENT*

YEAR	GRAND TOTAL		COTTON[b]		WOOL[c]		MANUFACTURED FIBER[a]		MANUFACTURED FIBER DETAIL			
									ARTIFICIAL (CELL.) TOTAL[d]		SYNTHETIC (NONCELL.) TOTAL[d]	
	LB	%	LB	%	LB	%	LB	%	LB	%	LB	%
1980	605.3	*100.0*	130.1	*21.5*	10.9	*1.8*	464.3	*76.7*	64.6	*10.7*	399.7	*66.0*
1981	535.2	*100.0*	132.3	*24.7*	15.0	*2.8*	387.9	*72.5*	58.3	*10.9*	329.6	*61.6*
1982	475.4	*100.0*	88.2	*18.5*	11.7	*2.5*	375.5	*79.0*	83.2	*17.5*	292.3	*61.5*
1983	560.3	*100.0*	121.3	*21.7*	14.7	*2.6*	424.3	*75.7*	60.0	*10.7*	364.3	*65.0*
1984	579.8	*100.0*	121.3	*20.9*	14.4	*2.5*	444.1	*76.6*	58.5	*10.1*	385.6	*66.5*
1985	594.8	*100.0*	105.8	*17.8*	16.1	*2.7*	472.9	*79.5*	52.9	*8.9*	420.0	*70.6*
1986	685.4	*100.0*	119.0	*17.3*	17.6	*2.6*	548.8	*80.1*	69.2	*10.1*	479.6	*70.0*
1987	661.3	*100.0*	94.8	*14.3*	15.3	*2.3*	551.2	*83.4*	50.9	*7.7*	500.3	*75.7*
1988	650.5	*100.0*	91.7	*14.0*	14.0	*2.2*	544.8	*83.8*	49.2	*7.6*	495.6	*76.2*
1989	592.7	*100.0*	90.2	*15.2*	14.2	*2.4*	488.3	*82.4*	64.6	*10.9*	423.7	*71.5*
1990	480.4	*100.0*	88.3	*18.4*	9.6	*2.0*	382.5	*79.6*	39.0	*8.1*	343.5	*71.5*

a. Manufactured fiber data are from ***Fiber Organon,*** January 1992 and earlier editions.
The data show the manufactured net available supply, which approximates mill consumptions.

b. **Source: International Cotton Advisory Committee, *Cotton: World Statistics,*** Vol. 45, No. 1, October 1991 issue. Cotton refers to ginned raw cotton. It does not refer to waste or cotton fibers subjected to any other process. Data are for the cotton year ending July 31, 1990.

c. **Source: Commonwealth Secretariat, *Wool Statistics,*** 1990 - 1991. Wool refers to virgin wool, clean basis, at the spinning stage.

d. Including yarn, staple+tow and spun yarn.

TABLE 13:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1992 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1992	1991
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	157	66	48										271	161
BELGIUM	100	0	98										198	28
BRAZIL	54	105	79										238	301
CANADA	1201	1053	1475										3729	2060
CHILE	0	0	0										0	110
GERMANY	1791	2639	816										5246	1642
JAPAN	176	86	161										423	359
MEXICO	107	70	105										282	307
NETHERLANDS	254	262	157										673	730
UNITED KINGDOM	383	297	416										1096	86
ALL OTHER COUNTRIES [a]	8	11	20										39	79
TOTAL ARTIFICIAL YARN	**4231**	**4589**	**3375**										**12195**	**5863**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1567	1396	1473										4436	3924
CANADA	4675	4144	4333										13152	9110
CHINA, PRC	0	0	0										0	572
FINLAND	424	744	473										1641	877
GERMANY	41	38	0										79	561
JAPAN	85	25	68										178	406
TAIWAN	220	0	287										507	3790
THAILAND	189	189	186										564	2312
UNITED KINGDOM	702	322	456										1480	1726
YUGOSLAVIA	298	0	128										426	3172
ALL OTHER COUNTRIES [b]	483	541	721										1745	429
TOTAL ARTIFICIAL STAPLE+TOW	**8684**	**7399**	**8125**										**24208**	**26879**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	3	39	31										73	379
BRAZIL	0	5	11										16	0
CANADA	4980	3882	3597										12459	10002
COSTA RICA	485	465	393										1343	1652
ECUADOR	0	0	0										0	68
FRANCE	1128	435	656										2219	2000
GERMANY	1433	2244	1807										5484	4848
IRELAND	78	105	334										517	481
ISRAEL	294	338	210										842	339
ITALY	209	113	119										441	244
JAPAN	1687	1635	1595										4917	3157
KOREA, REP. OF	179	58	159										396	325
MEXICO	1047	1554	1449										4050	4420
NETHERLANDS	412	362	667										1441	810
TAIWAN	680	547	37										1264	225
THAILAND	107	79	109										295	193
UNITED KINGDOM	2218	2464	3076										7758	5706
ALL OTHER COUNTRIES [c]	827	873	800										2500	215
TOTAL SYNTHETIC YARN	**15767**	**15198**	**15050**										**46015**	**35064**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	22	13	12										47	57
AUSTRALIA	31	24	50										105	218
BRAZIL	2	0	0										2	309
CANADA	3647	4089	5469										13205	3492
FRANCE	551	409	401										1361	1243
GERMANY	1983	2109	2302										6394	4268
INDIA	93	47	262										402	7151
IRELAND	468	43	427										938	0
ITALY	291	56	28										375	303
JAPAN	2184	3017	2863										8064	6663
KOREA, REP. OF	7466	4228	9395										21089	18295
MALAYSIA	88	44	0										132	95
MEXICO	1981	1579	1690										5250	5108
SPAIN	62	64	104										230	36
SWITZERLAND	364	144	234										742	554
TAIWAN	4520	5903	5818										16241	6911
TURKEY	127	240	491										858	2
UNITED KINGDOM	1444	1677	1439										4560	4206
ALL OTHER COUNTRIES [d]	194	36	81										311	253
TOTAL SYNTHETIC STAPLE+TOW	**25518**	**23722**	**31066**										**80306**	**59164**

a. France 18, India 13, Uruguay 3, Italy 2, Taiwan 2, China, PRC 1.

b. Spain 574, Brazil 571, Sweden 441, Belgium 44, Poland 43, Czechoslovakia 40, France 31, Italy 1.

c. South Africa 1349, Spain 285, Switzerland 258, Portugal 160, Australia 146, India 139, Turkey 76, Austria 46, Sweden 12, Yugoslavia 11, Hong Kong 8, Denmark 3, China, PRC 2, Colombia 2, Greece 2, Argentina 1.

d. Israel 55, Denmark 52, Belgium 45, Hong Kong 44, Colombia 41, Romania 29, South Africa 23, CIS 15, Netherlands 5, China, PRC 2.

TABLE 14:
U.S. MANUFACTURED FIBER IMPORTS[a]
THOUSAND POUNDS

ITEM	1992 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1992	1991
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	1583	2545	606										4734	652
TEXTURED	0	0	13										13	0
OTHER	2637	2044	2756										7437	5206
MONOFILAMENTS & STRIPS	11	0	0										11	5
SUBTOTAL ABOVE	**4231**	**4589**	**3375**										**12195**	**5863**
STAPLE	8581	7288	7938										23807	26199
TOW	103	111	187										401	680
TOPS	0	0	0										0	0
SUBTOTAL ABOVE	**8684**	**7399**	**8125**										**24208**	**26879**
WASTE	**0**	**46**	**47**										**93**	**216**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	913	980	950										2843	5268
TEXTURED														
UP TO 450 DENIER	411	517	424										1352	780
OVER 450 DENIER	3249	1978	1764										6991	4540
POY	2498	3305	3987										9790	6698
OTHER	2245	1850	1791										5886	2435
MONOFILAMENTS & STRIPS	172	165	112										449	353
SUBTOTAL ABOVE	**9488**	**8795**	**9028**										**27311**	**20074**
POLYESTER														
HIGH TENACITY	1142	1602	1593										4337	2144
TEXTURED	630	854	835										2319	2204
POY	728	634	302										1664	580
OTHER	1229	1433	1192										3854	5089
MONOFILAMENTS & STRIPS	38	75	29										142	102
SUBTOTAL ABOVE	**3767**	**4598**	**3951**										**12316**	**10119**
OTHER SYNTHETIC FILAMENT														
TEXTURED	212	93	72										377	517
OTHER	1496	1096	1231										3823	2878
MONOFILAMENTS & STRIPS	804	616	768										2188	1476
SUBTOTAL ABOVE	**2512**	**1805**	**2071**										**6388**	**4871**
STAPLE														
NYLON	2554	2136	3403										8093	5260
POLYESTER	17422	15430	20302										53154	41204
ACRYLIC	1607	1450	2326										5383	2628
POLYPROPYLENE	168	77	268										513	802
OTHER	265	320	258										843	905
TOW														
NYLON	701	503	688										1892	1217
POLYESTER	35	78	122										235	342
ACRYLIC	2009	2686	2324										7019	6535
OTHER	0	39	22										61	75
TOPS	757	1003	1353										3113	196
SUBTOTAL ABOVE	**25518**	**23722**	**31066**										**80306**	**59164**
WASTE														
NYLON	791	1083	1481										3355	5161
POLYESTER	1022	1149	1194										3365	4023
OTHER	606	633	681										1920	1315
TOTAL MANUFACTURED FIBERS ABOVE	**56619**	**53819**	**61019**										**171457**	**137685**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	251	136	213										600	310
SPUN YARN	318	277	317										912	1336
SPUN YARNS														
SYNTHETIC	922	559	702										2183	2020
ARTIFICIAL	0	0	0										0	0
PUT UP FOR RETAIL SALE	48	28	20										96	191
GRAND TOTAL ABOVE	**58158**	**54819**	**62271**										**175248**	**141542**

SOURCE: U.S. Census Bureau Report !M145X.

a. U.S. General Imports.

TABLE 15:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1992 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1992	1991
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	13	1	1										15	681
TEXTURED	7	61	13										81	150
OTHER	247	176	191										614	412
MONOFILAMENTS & STRIPS	19	42	100										161	52
SUBTOTAL ABOVE	**286**	**280**	**305**										**871**	**1295**
STAPLE	1371	1087	1047										3505	2298
TOPS	1910	479	218										2607	18
SUBTOTAL ABOVE	**3281**	**1566**	**1265**										**6112**	**2316**
WASTE	**229**	**656**	**528**										**1413**	**3199**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	4619	5521	5465										15605	25504
TEXTURED														
UP TO 450 DENIER	923	786	816										2525	3590
OVER 450 DENIER	6214	4125	4665										15004	12238
POY	52	80	198										330	201
OTHER	3119	3582	3893										10594	9378
MONOFILAMENTS & STRIPS	29	32	29										90	97
SUBTOTAL ABOVE	**14956**	**14126**	**15066**										**44148**	**51008**
POLYESTER														
HIGH TENACITY	4556	3556	4228										12340	16863
TEXTURED	5546	6616	8101										20263	16401
POY	884	1205	1232										3321	3558
OTHER	629	768	745										2142	6464
MONOFILAMENTS & STRIPS	113	95	99										307	453
SUBTOTAL ABOVE	**11728**	**12240**	**14405**										**38373**	**43739**
OTHER SYNTHETIC FILAMENT														
TEXTURED	596	338	407										1341	1850
OTHER	1569	1395	2521										5485	6654
MONOFILAMENTS & STRIPS	967	954	1275										3196	3379
SUBTOTAL ABOVE	**3132**	**2687**	**4203**										**10022**	**11883**
STAPLE														
NYLON	2465	2456	2976										7897	5936
POLYESTER	7763	8890	7719										24372	24901
ACRYLIC	1251	1310	1982										4543	7233
POLYPROPYLENE	3041	3740	5748										12529	7076
OTHER	454	266	323										1043	4374
TOW														
NYLON	340	361	359										1060	590
POLYESTER	108	7	43										158	91
ACRYLIC	556	557	630										1743	3644
OTHER	1	16	4										21	417
TOPS	9092	6332	3304										19028	22848
SUBTOTAL ABOVE	**25371**	**23935**	**23088**										**72394**	**77110**
WASTE														
NYLON	2800	2293	1940										7033	9316
POLYESTER	3787	4239	4659										12685	13782
OTHER	6168	5955	4627										17750	20503
TOTAL MANUFACTURED FIBERS ABOVE	**71738**	**67977**	**71086**										**210801**	**234151**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	610	560	819										1989	2587
SPUN YARN	278	1332	635										2245	610
SPUN YARNS														
SYNTHETIC	2140	1933	2542										6615	3581
ARTIFICIAL	526	355	508										1389	484
PUT UP FOR RETAIL SALE	2727	2230	3082										8039	5577
GRAND TOTAL ABOVE	**78019**	**74387**	**78672**										**231078**	**246970**

SOURCE: U.S. Census Bureau Report EM522.

TABLE 16:
QUARTERLY MANUFACTURED FIBER DATA

MILLION POUNDS

ITEM	1990					1991					1992				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS									
ARTIFICIAL (CELLULOSIC) YARN [c]															
PRODUCTION	46.8	52.3	53.6	53.5	206.2	48.0	55.4	54.5	55.3	213.2	52.6				
SHIPMENTS - DOMESTIC	40.1	43.3	45.3	44.0	172.7	38.7	47.7	46.3	47.2	179.9	43.1				
- EXPORT	7.8	9.1	8.7	8.4	34.0	8.7	8.3	7.8	7.5	32.3	9.0				
TOTAL SHIPMENTS	47.9	52.4	54.0	52.4	206.7	47.4	56.0	54.1	54.7	212.2	52.1				
ENDING STOCK	8.8	8.7	8.3	9.4		10.0	9.4	9.8	10.4		10.9				
IMPORTS	5.3	6.2	6.5	6.2	24.2	5.9	6.4	7.9	10.6	30.8	12.2				
TOTAL AVAILABLE	45.4	49.5	51.8	50.2	196.9	44.6	54.1	54.2	57.8	210.7	55.3				
NYLON															
PRODUCTION	428.3	438.1	408.2	397.3	1671.9	383.9	410.0	430.9	441.4	1666.2	414.6				
SHIPMENTS - DOMESTIC	382.5	383.2	377.8	394.0	1537.5	327.1	386.7	407.7	372.4	1493.9	380.9				
- EXPORT	37.9	38.4	43.0	39.5	158.8	37.4	35.2	32.2	35.3	140.1	37.7				
TOTAL SHIPMENTS	420.4	421.6	420.8	433.5	1696.3	364.5	421.9	439.9	407.7	1634.0	418.6				
ENDING STOCK	160.3	176.8	164.2	128.0		147.4	135.5	126.5	160.2		156.2				
OLEFIN [a]															
PRODUCTION	339.7	366.7	359.5	350.7	1416.6	321.9	353.6	369.3	363.4	1408.2	344.1				
SHIPMENTS - DOMESTIC	335.8	365.4	356.5	347.2	1404.9	312.0	353.0	361.3	354.3	1380.6	339.6				
- EXPORT	4.6	5.5	5.6	5.7	21.4	5.2	8.4	5.2	5.5	24.3	6.8				
TOTAL SHIPMENTS	340.4	370.9	362.1	352.9	1426.3	317.2	361.4	366.5	359.8	1404.9	346.4				
ENDING STOCK	65.4	61.2	58.6	56.4		61.1	53.3	56.1	59.7		57.4				
POLYESTER															
PRODUCTION	262.1	280.0	267.7	295.4	1105.2	288.2	302.6	300.0	317.1	1207.9	303.9				
SHIPMENTS - DOMESTIC	241.7	271.9	259.9	272.7	1046.2	249.1	283.7	287.3	293.9	1114.0	292.8				
- EXPORT	16.7	20.9	19.2	28.1	84.9	23.2	22.3	17.8	19.2	82.5	13.7				
TOTAL SHIPMENTS	258.4	292.8	279.1	300.8	1131.1	272.3	306.0	305.1	313.1	1196.5	306.5				
ENDING STOCK	149.4	136.6	125.2	119.8		135.7	132.3	127.2	131.2		128.6				
TOTAL SYNTHETIC (NONCELLULOSIC) ABOVE															
PRODUCTION	1030.1	1084.8	1035.4	1043.4	4193.7	994.0	1066.2	1100.2	1121.9	4282.3	1062.6				
SHIPMENTS - DOMESTIC	960.0	1020.5	994.2	1013.9	3988.6	888.2	1023.4	1056.3	1020.6	3988.5	1013.3				
- EXPORT	59.2	64.8	67.8	73.3	265.1	65.8	65.9	55.2	60.0	246.9	58.2				
SHIPMENTS	1019.2	1085.3	1062.0	1087.2	4253.7	954.0	1089.3	1111.5	1080.6	4235.4	1071.5				
ENDING STOCK	375.1	374.6	348.0	304.2		344.2	321.1	309.8	351.1		342.2				
DOMESTIC SHIPMENTS	960.0	1020.5	994.2	1013.9	3988.6	888.2	1023.4	1056.3	1020.6	3988.5	1013.3				
IMPORTS -TEXTURED YARN [b]	14.4	19.8	18.9	9.9	63.0	8.0	11.5	12.2	15.8	47.5	11.0				
- OTHER YARN [b]	24.6	20.2	18.4	19.8	83.0	25.2	28.7	29.8	34.1	117.8	32.2				
- MONOFILAMENTS	2.5	2.3	2.0	1.9	8.7	1.9	2.1	2.8	2.7	9.5	2.8				
TOTAL IMPORTS	41.5	42.3	39.3	31.6	154.7	35.1	42.3	44.8	52.6	174.8	46.0				
TOTAL AVAILABLE	1001.5	1062.8	1033.5	1045.5	4143.3	923.3	1065.7	1101.1	1073.2	4163.3	1059.3				
						GLASS FIBER									
TOTAL SHIPMENTS	374.5	414.6	388.3	341.7	1519.1	335.3	391.7	396.8	364.7	1488.5	389.2				

FOOTNOTES FOR TABLE ABOVE & OPPOSITE:

"Imports" are general imports, as reported by the U.S. Census Bureau.

a. Also include film fiber as well as spunbonded polypropylene.

b. Includes singles and plied.

c. Includes both rayon & acetate yarn.

TABLE 16:
QUARTERLY MANUFACTURED FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1990 1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1991 1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1992 1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						STAPLE+TOW									
RAYON															
PRODUCTION	**73.3**	**72.0**	**74.2**	**79.6**	**299.1**	**67.4**	**68.7**	**69.7**	**67.5**	**273.3**	**66.6**				
SHIPMENTS -DOMESTIC	77.6	71.6	72.3	70.2	291.7	57.2	67.1	68.8	62.4	255.5	65.3				
-EXPORT	4.1	4.3	2.8	1.3	12.5	1.5	2.7	2.1	1.8	8.1	1.4				
TOTAL SHIPMENTS	**81.7**	**75.9**	**75.1**	**71.5**	**304.2**	**58.7**	**69.8**	**70.9**	**64.2**	**263.6**	**66.7**				
ENDING STOCK	**14.0**	**10.1**	**9.2**	**17.3**		**26.0**	**24.9**	**23.7**	**27.0**		**26.9**				
DOMESTIC SHIPMENTS	77.6	71.6	72.3	70.2	291.7	57.2	67.1	68.8	62.4	255.5	65.3				
IMPORTS FOR CONSUMPTION															
STAPLE GROUPED FILAMENTS	18.9	23.9	35.4	33.4	111.6	26.9	20.3	23.3	21.5	92.0	24.2				
TOTAL IMPORTS	18.9	23.9	35.4	33.4	111.6	26.9	20.3	23.3	21.5	92.0	24.2				
TOTAL AVAILABLE	**96.5**	**95.5**	**107.7**	**103.6**	**403.3**	**84.1**	**87.4**	**92.1**	**83.9**	**347.5**	**89.5**				
NYLON															
PRODUCTION	**237.0**	**273.0**	**242.8**	**236.8**	**989.6**	**200.6**	**206.4**	**237.2**	**224.6**	**868.8**	**199.1**				
SHIPMENTS -DOMESTIC	242.6	243.1	235.7	228.8	950.2	179.1	219.5	233.1	203.3	835.0	206.5				
-EXPORT	7.1	6.5	6.1	4.8	24.5	6.5	7.1	7.1	6.8	27.5	7.1				
TOTAL SHIPMENTS	**249.7**	**249.6**	**241.8**	**233.6**	**974.7**	**185.6**	**226.6**	**240.2**	**210.1**	**862.5**	**213.6**				
ENDING STOCK	**37.1**	**60.5**	**61.5**	**64.7**		**79.7**	**59.5**	**56.5**	**71.0**		**56.5**				
IMPORTS	12.4	9.9	9.9	8.9	41.1	6.5	7.8	9.8	9.7	33.8	10.0				
TOTAL AVAILABLE	**255.0**	**253.0**	**245.6**	**237.7**	**991.3**	**185.6**	**227.3**	**242.9**	**213.0**	**868.8**	**216.5**				
ACRYLIC+MODACRYLIC															
PRODUCTION	**129.6**	**136.9**	**129.0**	**110.3**	**505.8**	**103.0**	**116.4**	**119.8**	**114.7**	**453.9**	**109.3**				
SHIPMENTS -DOMESTIC	98.8	94.0	84.0	75.4	352.2	76.1	87.1	82.8	73.2	319.2	83.7				
-EXPORT	24.5	32.5	42.2	49.2	148.4	30.7	26.6	27.3	43.3	127.9	24.4				
TOTAL SHIPMENTS	**123.3**	**126.5**	**126.2**	**124.6**	**500.6**	**106.8**	**113.7**	**110.1**	**116.5**	**447.1**	**108.1**				
ENDING STOCK	**72.8**	**83.2**	**86.0**	**71.7**		**67.9**	**70.6**	**80.3**	**78.5**		**79.7**				
IMPORTS	12.6	9.6	6.8	8.8	37.8	9.2	10.0	8.7	10.1	38.0	12.4				
TOTAL AVAILABLE	**111.4**	**103.6**	**90.8**	**84.2**	**390.0**	**85.3**	**97.1**	**91.5**	**83.3**	**357.2**	**96.1**				
OLEFIN															
PRODUCTION	**96.9**	**105.3**	**102.8**	**100.5**	**405.5**	**102.2**	**115.3**	**117.0**	**124.0**	**458.5**	**120.1**				
SHIPMENTS -DOMESTIC	94.0	102.0	96.8	95.1	387.9	97.1	110.6	115.0	114.8	437.5	109.4				
-EXPORT	6.0	6.2	6.3	4.2	22.7	3.1	6.1	5.6	3.9	18.7	4.4				
TOTAL SHIPMENTS	**100.0**	**108.2**	**103.1**	**99.3**	**410.6**	**100.2**	**116.7**	**120.6**	**118.7**	**456.2**	**113.8**				
ENDING STOCK	**31.5**	**28.6**	**28.3**	**29.5**		**31.5**	**30.1**	**26.5**	**31.8**		**38.1**				
POLYESTER															
PRODUCTION	**520.9**	**545.5**	**487.9**	**535.6**	**2089.9**	**505.2**	**524.6**	**568.7**	**604.4**	**2202.9**	**579.5**				
SHIPMENTS -DOMESTIC	502.6	510.8	494.3	507.7	2015.4	467.9	525.5	548.5	586.0	2127.9	560.4				
-EXPORT	15.3	15.2	19.0	33.8	83.3	26.4	29.1	24.3	23.9	103.7	24.6				
TOTAL SHIPMENTS	**517.9**	**526.0**	**513.3**	**541.5**	**2098.7**	**494.3**	**554.6**	**572.8**	**609.9**	**2231.6**	**585.0**				
ENDING STOCK	**192.9**	**212.4**	**187.0**	**181.1**		**192.0**	**162.0**	**157.9**	**152.4**		**146.9**				
IMPORTS	24.9	30.3	30.2	37.8	123.2	41.5	43.9	40.0	54.4	179.8	53.4				
TOTAL AVAILABLE	**527.5**	**541.1**	**524.5**	**545.5**	**2138.6**	**509.4**	**569.4**	**588.5**	**640.4**	**2307.7**	**613.8**				
TOTAL SYNTHETIC (NONCELLULOSIC)															
PRODUCTION	**984.4**	**1060.7**	**962.5**	**983.2**	**3990.8**	**911.0**	**962.7**	**1042.7**	**1067.7**	**3984.1**	**1008.0**				
SHIPMENTS -DOMESTIC	938.0	949.9	910.8	907.0	3705.7	820.2	942.7	979.4	977.3	3719.6	960.0				
-EXPORT	52.9	60.4	73.6	92.0	278.9	66.7	68.9	64.3	77.9	277.8	60.5				
TOTAL SHIPMENTS	**990.9**	**1010.3**	**984.4**	**999.0**	**3984.6**	**886.9**	**1011.6**	**1043.7**	**1055.2**	**3997.4**	**1020.5**				
ENDING STOCK	**334.3**	**384.7**	**362.8**	**347.0**		**371.1**	**322.2**	**321.2**	**333.7**		**321.2**				
DOMESTIC SHIPMENTS	938.0	949.9	910.8	907.0	3705.7	820.2	942.7	979.4	977.3	3719.6	960.0				
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE	49.9	49.8	46.9	55.5	202.1	57.2	61.7	58.5	74.2	251.6	75.8				
OTHER N.C. STAPLE GROUPED FILAMENTS	2.5	1.7	1.7	1.8	7.7	2.0	1.9	3.4	4.2	11.5	4.5				
TOTAL IMPORTS	52.4	51.5	48.6	57.3	209.8	59.2	63.6	61.9	78.4	263.1	80.3				
TOTAL AVAILABLE	**990.4**	**1001.4**	**959.4**	**964.3**	**3915.5**	**879.4**	**1006.3**	**1041.3**	**1055.7**	**3982.7**	**1040.3**				

See footnotes on opposite page

TABLE 17:
SELECTED U.S. MONTHLY FIBER DATA
MILLION POUNDS

ITEM	1992 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1992	1991
MANUFACTURED FIBER TOTAL SHIPMENTS [b c]														
ARTIFICIAL (CELLULOSIC)														
YARN	16.8	17.9	17.4	21.7									73.8	67.7
RAYON STAPLE	23.0	21.0	22.7	19.8									86.5	80.1
TOTAL ARTIFICIAL (CELLULOSIC)	**39.8**	**38.9**	**40.1**	**41.5**									**160.3**	**147.8**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL [d]	25.2	23.2	28.8	27.7									104.9	111.7
- CARPET	82.4	77.9	86.2	92.7									339.2	268.0
- TEXTILE [f]	33.9	29.2	31.8	30.5									125.4	125.9
POLYESTER - INDUSTRIAL [d]	30.4	28.6	31.4	34.7									125.1	107.6
- TEXTILE [f]	71.2	67.8	77.1	81.1									297.2	269.7
OLEFIN [e]	110.0	115.0	121.4	124.3									470.7	436.4
TOTAL YARN	**353.1**	**341.7**	**376.7**	**391.0**									**1462.5**	**1319.3**
STAPLE+TOW+FIBERFILL														
NYLON	70.8	63.5	79.3	86.3									299.9	263.7
ACRYLIC+MODACRYLIC	35.1	33.5	39.5	39.5									147.6	141.0
POLYESTER	195.1	186.8	203.1	209.0									794.0	686.0
OLEFIN	36.0	38.4	39.4	38.3									152.1	138.7
TOTAL STAPLE	**337.0**	**322.2**	**361.3**	**373.1**									**1393.6**	**1229.4**
TOTAL SYNTHETIC (NONCELLULOSIC)	**690.1**	**663.9**	**738.0**	**764.1**									**2856.1**	**2548.7**
TOTAL MANUFACTURED FIBER	**729.9**	**702.8**	**778.1**	**805.6**									**3016.4**	**2696.5**
MANUFACTURED FIBER END-OF-MONTH STOCK														
ARTIFICIAL (CELLULOSIC)														
YARN	11.3	11.2	10.9	11.5									11.5	9.6
RAYON STAPLE	25.6	25.7	26.9	30.7									30.7	26.6
TOTAL ARTIFICIAL (CELLULOSIC)	**36.9**	**36.9**	**37.8**	**42.2**									**42.2**	**36.2**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL [d]	30.7	29.6	24.5	22.8									22.8	26.9
- CARPET	82.8	81.3	79.0	71.7									71.7	66.3
- TEXTILE [f]	43.4	48.6	52.7	50.0									50.0	45.6
POLYESTER - INDUSTRIAL [d]	34.6	35.9	34.5	33.5									33.5	44.6
- TEXTILE [f]	98.0	98.7	94.1	80.2									80.2	90.5
OLEFIN [e]	58.8	59.5	57.4	54.4									54.4	59.8
TOTAL YARN	**348.3**	**353.6**	**342.2**	**312.6**									**312.6**	**333.7**
STAPLE+TOW+FIBERFILL [e]														
NYLON	64.0	63.5	56.5	51.0									51.0	68.2
ACRYLIC+MODACRYLIC	82.3	83.1	79.7	75.2									75.2	72.1
POLYESTER	144.3	147.3	146.9	137.7									137.7	185.8
OLEFIN	33.6	35.3	38.1	41.4									41.4	33.3
TOTAL STAPLE	**324.2**	**329.2**	**321.2**	**305.3**									**305.3**	**359.4**
TOTAL SYNTHETIC (NONCELLULOSIC)	**672.5**	**682.8**	**663.4**	**617.9**									**617.9**	**693.1**
TOTAL MANUFACTURED FIBER	**709.4**	**719.7**	**701.2**	**660.1**									**660.1**	**729.3**
COTTON CONSUMPTION														
RAW COTTON	369.5	383.0	495.5										1248.0	1032.9
WOOL CONSUMPTION [g]	**1ST QUARTER**		**2ND QUARTER**		**3RD QUARTER**				**4TH QUARTER**					
APPAREL CLASS WOOL														
CARPET CLASS WOOL														
TOTAL RAW WOOL														

a. "Year to date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic shipments plus export shipments.
d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
f. Includes low denier industrial yarn.
g. **Wool data available on a quarterly basis only.**